

this permit originally issued to General Energy, then owned by Emery Energy, now owned by Town Oil Co.

Missouri Oil and Gas Council

Form OGC-3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APPLICATION TO DRILL ☒

DEEPEN ☐

PLUG BACK ☐

for an oil well ☒

or gas well ☐

NAME OF COMPANY OR OPERATOR Town Oil Co.

DATE 12/6/85

Route 4

Paola

KS 66071

Address

City

State

DESCRIPTION OF WELL AND LEASE

Name of lease

Jack Beary

Well number

54E

Elevation (ground)

1066.2

WELL LOCATION

(give footage from section lines)

930.92

ft. from (N) (S) sec. line

1652.25

ft. from (E) (W) sec. line

WELL LOCATION

Section 4

Township 46N

Range 33W

County

Cass

Nearest distance from proposed location to property or lease line:

165 feet

Distance from proposed location to nearest drilling, completed or applied for well on the same lease:

220 feet

Proposed depth

650

Drilling contractor, name & address

Rotary or Cable Tools

Approx. date work will start

see note

Number of acres in lease

24.5

Number of wells on lease, including this well, completed in or drilling to this reservoir:

Number of abandoned wells on lease:

If lease, purchased with one or more wells drilled, from whom purchased.

Name _____

No. of Wells: producing _____

Address _____

injection _____

inactive _____

abandoned _____

Status of Bond

Single Well ☐ Amt. _____

Blanket Bond ☒ Amt. 20,000

☒ ON FILE
☐ ATTACHED

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.

Proposed casing program:

amt.	size	wt./ft.	cem.
<u>650</u>	<u>4"</u>	<u>10.4</u>	<u>yes</u>
<u>20</u>	<u>7 1/2"</u>	<u>22</u>	<u>yes</u>
_____	_____	_____	_____
_____	_____	_____	_____

Approved casing -- To be filled in by State Geologist

amt.	size	wt./ft.	cem.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
_____	_____	_____	_____
_____	_____	_____	_____

I, the undersigned, state that I am the Partner of the Town Oil (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

Robert Town

Permit Number: 20122

Approval Date: 12/6/85

Approved By: Wallace B. Hunt BWV

Note: This Permit not transferable to any other person or to any other location.

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401

One will be returned for driller's signature

☒ Drillers log required
☒ E-logs required if run
☒ Core analysis required if run

☒ Drill stem test info. required if run
☐ Samples required
☒ Samples not required

RECEIVED

DEC 16 1985

WATER SAMPLES REQUIRED @

Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

3/12/82

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐

City _____ State _____

DESCRIPTION OF WELL AND LEASE _____

Permit Number: 20122
Approval Date: 12/18/80
Approved By: Wallace B. Hume
Note: This Permit not transferable to any other person or to any other location. J.R.S.
Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401
One will be returned for driller's signature

REQUIRE DEC 18 1980
MO. OIL & GAS COUNCIL

Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

MISSOURI OIL AND GAS COUNCIL

Form OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well ☒ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☒ Gas ☐ Dry ☐

Owner Emery Energy, Inc.		Address Box 519, Osawatomie, Kansas 66064	
Lease Name Jack Beary Lease		Well Number E-54	
Location 930.92 ft. FNL 1652.25 Ft. FEL		Sec. — TWP-Range or Block & Survey Sec. 4 Twp. 46N Range 33W	
County Cass	Permit number (OGC3 number) 20122		
Date spudded 1-19-81	Date total depth reached 1-21-81	Date completed, ready to produce 2-27-81	Elevation (DF, RKB, RT or Gr.) 1066.2 feet
Total depth 640 ft.	P B T D 628.35	Elevation of casing hd. flange Same as sur. ele.	
Producing interval (s) for this completion 564-580		Rotary tools used (interval) From 0 to T.D. Drilling Fluid used water, air	Cable tools used (interval) From None to None
Was this well directionally drilled? no	Was directional survey made? no	Was copy of directional survey filed? no	Date filed 5/25/1981
Type of electrical or other logs run (list logs filed with the State Geologist) Gamma Ray, Neutron, CCL			Date filed 5/25/1981

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb ft)	Depth set	Sacks cement	Amt pulled
surface	9 in.	7 in.	35	20.75		
producing	6.25 in.	4 in.	10.6	628.35		

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
2.375 in.	ft.	none ft.	N/A in.	N/A ft.	N/A ft.	N/A	N/A

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
1.33	3 1/2 glass	564-580	water gel	
			sand 20-40	10
			sand 10-30	20

INITIAL PRODUCTION

Date of first production 3-7-81		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:) No record-see later production report					
Date of test no	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity API (Corr.)	
Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio	

Disposition of gas (state whether vented, used for fuel or sold):

Method of disposal of mud pit contents:

CERTIFICATE: I, the undersigned, state that I am the **Vice-President** of the **Emery Energy, Inc.** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Devon M. Hurst
Signature **Devon Hurst**

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Remit two copies: one will be returned

JUN 25 1981

MO. OIL & GAS COUNCIL

W00008

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
PENNSYLVANIAN SYSTEM			
KANSAS CITY			
Iola Ls.	0	34	White to light gray limestone
Chanute Sh.	34	106	Gray to green shales with gray limestone beds
Cement City Sh.	63	71	Blue, gray limestone
Belton Ss.	100	106	Sandstone
Cherryvale Sh.	106	154	Gray, blue shales
Dennis Ls.	154	184	Gray, blue coarse limestone
Winterset Sh.			Black, fissile shale
Stark Sh.	184	190	
Swope Ls.			
Bethany Falls Ls.	190	210	Gray, fine to coarse limestone
Hush puckney Sh.	210	218	Black, fissile shale
Hertha Ls.	218	229	Gray to blue limestone
PLEASANTON	229	404	Gray, green shales
Knobtown Ss.			sand
Dawson Coal Hor.	357	360	Black, fissile, slaty shale
HENRIETTA	404	494	
Alamont	404	426	Gray brown, fine grained limestone with gray shale
Pawnee	426		Fine grained, light gray limestone
Peru Ss.	439	450	Sand
Myrick Sta. Ls.	458	464	Gray to brown limestone
Anna Sh.	464	470	Coal to black fissile shale
Fort Scott	470	494	Gray to green shales and limestone
Englevale Ss.	470	490	Fine to medium grained channel sandstone
CHEROKEE	494	---	Gray to dark shales
Upper Cherokee			
Upper Squirrel	515	521	Fine to medium grained sandstones
Lower Squirrel	550	570	Fine to medium grained sandstones
Bevier Coal Hor.	---	---	Black coal
Lower Cherokee			
Burbank Ss.			Sandstone, irregular
Bartlesville Ss.	570	640 T.D	Shale, sandy shale, thin sandstone
Core # 1	440	460	Core # 4 580-600
Core # 2	460	480	Englevale Ss. 470-490
Core # 3	560	580	Lower Squirrel

*Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well if available.



EMERY ENERGY, INC.

225 North State Street
Salt Lake City, Utah 84103
(801) 531-8770

June 14, 1984

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JUN 21 1984

Missouri Department of Natural Resources
P.O. Box 250
Rolla, MO. 65401
Attn: Mr. Bruce W. Netzler, Geologist

MO. OIL & GAS COUNCIL

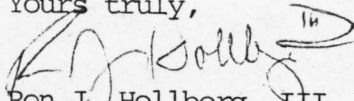
Dear Mr. Netzler,

I am in receipt of your letter requesting an interpretation of the log reports submitted to your office in 1981 by our company covering wells on the Beary Lease, Cass County, Missouri. In 1982-83 we basically shut down our operations in the Kansas/Missouri area and let the people go who were responsible for both the drilling of these wells and the Government reports. I have looked over the logs and our in-house geologist here in Salt Lake has examined it also but we are unable to come up with the answers. The fact is that no one is around who was there to observe the way the formations lay, so I don't know ~~how~~ we can clear up the matter.
how

If 3½ years hadn't passed I'd have confidence that maybe we could tack something down, but now I believe it is too late.

I'm sorry I wasn't able to help you in getting this cleared up. Please feel free to call if you have any other questions.

Yours truly,


Ron J. Hollberg, III
Production Dept.

RJH/rh